





- SOUTH PLANT are



GROUNDWATER SAMPLING RESULTS FOR CONSTITUENTS OF CONCERN EXCEEDING RBCs OR MCLs

Project 3485060089

Figure 3-1

DISSOLVED WETALS reported in uq/L AOC 8 SVOC's, PESTICIDES AND VOC'S reported in ug/L N/A = Not ApplicableØ ₩112-HP03 N/S = No Standard(12) N/D = Non DetectNOTES: W112-HP03 A0C16-10 1. LOCATION OF IMPROVEMENTS SHOWN ARE BASED ON AN Analyte RBC MCL Result ON THE GROUND FIELD SURVEY DONE BY ND REMY ASSOCIATES DURING O . A0C16−2€ TAL METALS OCEANPORT INDUSTRIES FEBRUARY OF 2007. ARSENIC 0.045 10 46.6 IRON 26,000 N/S 131,000 SAL3-HP03 A0C16-30 2. COORDINATES AND ELEVATIONS ON THIS DRAWING WERE OBTAINED MANGANESE 730 N/S 13,600 Analyte | RBC | MCL | Result BY GPS OBSERVATIONS ALONG WITH TRADITIONAL SURVEY METHODS CADMIUM 18 5 5 DURING THE SAME SURVEY, USING USGS BENCHMARK JU0786 AS CONTROL. TAL METALS TCL SVOCs N/A N/A N/D COORDINATES ARE GIVEN IN THE NAD83 DELAWARE STATE PLANE SYSTEM. ARSENIC 0.045 10 770 AOC 16' SAL3-HP02 PESTICIDES N/A N/A N/D IRON 26,000 N/S 167,000 ELEVATIONS ARE IN THE NAVD88(1991) DATUM. Analyte RBC MCL Result TCL VOCs MANGANESE 730 N/S 2,850 SAL3-HP04 TAL METALS BENZENE 0.34 5 0.8 Analyte | RBC | MCL | Result 3. THIS DRAWING IS FOR WELL REFERENCE ONLY; NO BOUNDARY SURVEY CADMIUM 18 5 8 THALLIUM 2.6 0.002 21.9 TRICHLOROETHENE 0.026 5 1 WAS PERFORMED FOR THIS PROJECT. TAL METALS TCL SVOCs N/A N/A N/D IRON 26,000 N/S 779,000 ARSENIC 0.045 10 12.4 PESTICIDES MANGANESE 730 N/S 13,600 4. FACILITY GRID IS BASED ON DELAWARE STATE PLANE MERIDIAN. IRON 26,000 N/S 33,400 ALPHA BHC 0.011 N/S 1.3 CADMIUM 18 0.005 19.6 NAD 27. MANGANESE 730 N/S 1,430 BETA BHC 0.037 N/S 0.47 BERYLLIUM 73 4 12.4 TCL SVOCs N/A N/A N/D TCL VOCs 5. Chromium RBC is for Chromium VI VANADIUM 37 N/S 46.7 PESTICIDES MTBE 2.6 N/S 3 ZINC 11,000 N/S 18,100 ALPHA BHC 0.011 N/S 0.014 BENZENE 0.34 5 1 5. Chromium MCL is for Total Chromium PESTICIDES TCL VOCs N/A N/A N/D ALPHA BHC 0.011 N/S ADDITIONAL SOLID WASTE MANAGEMENT UNITS (RFI PHASE II) BETA BHC 0.037 N/S 0.074 5. Manganese RBC is for non-food Manganese W115-GW04 HEPTACHLOR 0.0074 0.2 0.012 Analyte | RBC | MCL | Result 33. FORMER SPRAY POND AREA TCL SVOCs TAL METALS CARBAZOLE 3.3 N/S 34. FORMER WASTE OIL STORAGE PAD ARSENIC 0.045 10 16.6 SOLID WASTE MANAGEMENT UNITS (RFI PHASE I) NAPHTHALENE 6.5 N/S IRON 26,000 N/S 481,000 35. FORMER HAZARDOUS WASTE STORAGE PAD PYRIDINE 34 N/S 85 MANGANESE 730 N/S 34,300 1. NORTH PHOSPHORIC ACID POND 26. SOUTH WASTE TREATMENT PLANT 36. FORMER ALUM PLANT AREA/DEBRIS STAGING AREA TCL VOCs CADMIUM 18 0.005 32.3 2. SOUTH PHOSPHORIC ACID POND 28. HYPO MUDS ACCUMULATION (2 AREAS) CHLOROFORM 0.15 N/S 0.9 BERYLLIUM 73 4 17.2 3. RED MUD SLURRY POND A 31. FORMER SPENT ACID LAGOON BENZENE 0.34 5 11 Analyte R LEAD N/S 15 24.8 AREAS OF CONCERN (RFI PHASE I) 1,2-SM_DROPROPANE 0.16 5 TAL METALS 32. FORMER UST AREA 4. RED MUD SLURRY POND B ZINC 11,000 N/S 17,300 ARSENIC 0.0 AOC 1 - TANK 15 SPILL AREA TCL SVOCs N/A N/A N/D 5. SPAR BUILDING STORAGE AREA CADMIUM : AOC 2 - ACID SPILL AREA PESTICIDES 6. SOUTH TREATMENT PLANT, DRUM STORAGE AOC 4 - CONRAIL FUEL SPILL AREA LEAD N ALPHA BHC 0.011 N/S 51 7. EFFLUENT CLARIFIER BETA BHC 0.037 N/S 3.0 TCL SVOCs N PESTICIDES 8. EFFLUENT CLARIFIER GAMMA-BHC 0.037 0.2 7.3

ADDITIONAL AREAS OF CONCERN (RFI PHASE II)

AOC 5 - FORMER SULFUR STORAGE TANK SPILL

AOC 6 - FORMER ABOVEGROUND FUEL STORAGE TANK A

AOC 8 - FORMER SPENT SULFURIC ACID LOADING/UNLOADING AREA SUMPS

AOC 9 - FORMER SPENT SULFURIC ACID STORAGE AREA SUMPS

AOC 10 - FORMER SULFURIC ACID PLANT AREA - ACID AND CAUSTIC STORAGE TANK AREA SUMPS

AOC 11 - FORMER CONTACT SULFURIC ACID PLANT AREA A - AST AREA SUMPS AND BUILDING SUMP

AOC 12 - FORMER CONTACT SULFURIC ACID PLANT AREA B - AST AREA SUMPS

AOC 13 - FORMER PHOTOSALTS PLANT STORAGE TANK AREA SUMPS

Prepared/Date: PM Checked/Date: AE

AOC 7 - FORMER SULFURIC ACID PLANT-UNPAVED AREA

AOC 14 - FORMER SULFURIC ACID STORAGE TANK AREA SUMP

AOC 15 - FORMER ACID LOADING/UNLOADING AREA SUMPS

AOC 16 - FORMER ABOVEGROUND FUEL OIL STORAGE TANK C

DELAWARE VALLEY WO Claymont, E

4,4'-DDE 0.2 N/S 0.32

4,4'-DDD 0.28 N/S / 0.54

4,4'-DDT 0.2 N/S 2.4

CHLOROFORM 0.15 N/S 8

BENZENE 0.34 5 11

TCL VOCs

ALPHA BHC 0.

BETA BHC 0.

DIELDRIN O.C

TCL VOCs

BENZENE 0.

11. WASTE OIL AST

12. WASTE OIL UST

10. SOUTH WASTE TREATMENT STORAGE PAD



PIEZOMETER LOCATION

W114-HP01

HYDROPUNCH LOCATION W115-GW01

(MW-115) EXISTING PHASE 1 WELL LOCATION

B-3

HISTORICAL GROUNDWATER

MONITORING WELL LOCATION

RFI PHASE I SOIL SAMPLING LOCATION

D, APPROXIMATE RFI PHASE II SOIL SAMPLING LOCATION

GENERAL CHEMICAL LLC PROPERTY BOUNDARY





